

**Title:** Designing micro-substrates for biomedical applications

**Date:** 28<sup>th</sup> January 2016

**Delivered by:** Dr. Jayant Khandare, MIT, Kothrud, Pune

**Description of the Program:**

Dr. Jayant Khandare focused on-

- Biosensors, Study and development of new technologies and strategies to fabricate *electrochemical immunosensors based on impedimetric transduction*.
- Neuroscience, The need of micro- and nanosystems for in vivo and in vitro neurophysiological studies is an incipient topic which is of special interest.
- Organ-on-a-chip, Innovative in vitro microfluidic models give the opportunity to mimic complex organ physiology in a laboratory allowing the study and development of medical treatments



Dr. Jayant Khandare addressing the students